

a covering layer including a foamable material covering said core layer at said at least one outer surface, said foamable material being at least difficult to ignite and foaming at a given temperature to insulate said core layer from high temperature and oxygen.

*Amended*  
Claim 2 (amended). The sound and heat insulation material according to claim 1, including at least one further foamable material, said at least one further foamable material being foamable at a further given temperature different from said given temperature.

Claim 3 (amended). The sound and heat insulation material according to claim 1, wherein:

said core layer is a heat insulation mat and said fibrous material includes at least one element selected from the group consisting of natural fibers, mineral fibers and synthetic fibers; and

said covering layer includes at least one of a foil and a fiber layer.

Claim 4 (amended). The sound and heat insulation material according to claim 3, wherein said one of said foil and said fiber layer is impregnated with said foamable material.

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Claim 6 (amended). The sound and heat insulation material according to claim 3, wherein said fiber layer is one of a woven fabric and a knit fabric, said fiber layer includes fibers formed of said foamable material.

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Claim 7 (amended). The sound and heat insulation material according to claim 3, wherein said fiber layer is one of a woven fabric and a knit fabric, said fiber layer includes fibers coated with said foamable material.

Claim 8 (amended). The sound and heat insulation material according to claim 3, wherein said fiber layer is one of a woven fabric and a knit fabric, said fiber layer includes fibers sprayed with said foamable material.

Claim 9 (amended). The sound and heat insulation material according to claim 1, wherein said covering layer includes at least one foamable fiber layer having cut, foamable fibers scattered directly onto said core layer, said cut, foamable fibers having a given length and a given cross-sectional diameter.

Claim 10 (amended). The sound and heat insulation material according to claim 1, wherein said covering layer includes at least one foamable fiber layer having at least one element selected from the group consisting of synthetic material,

natural material, renewable material, carbon fibers and glass fibers.

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Claim 11 (amended). The sound and heat insulation material according to claim 1, wherein said foamable material is self-extinguishing, said covering layer includes fibers made from said foamable material.

Claim 12 (amended). The sound and heat insulation material according to claim 1, wherein said at least one outer surface includes a first and a second outer surface, said first outer surface covered by a first material layer foamable at a first temperature, said second outer surface covered by a second material layer foamable at a second temperature different from said first temperature.

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Claim 15 (amended). The sound and heat insulation material according to claim 1, wherein said at least one outer surface includes a given outer surface, said given outer surface is covered by a first material layer foamable at a first temperature and at least by a second material layer foamable at a second temperature different from said first temperature.

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Claim 18 (amended). The sound and heat insulation material according to claim 1, wherein said core layer has substantial heat and sound insulation properties and said fibrous material

includes at least one element selected from the group consisting of synthetic fibers, natural fibers, renewable fibers, glass fibers, mineral fibers and carbon fibers.

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Claim 19 (amended). The sound and heat insulation material according to claim 18, wherein said fibrous material of said core layer is coated with a further foamable material.

Claim 20 (amended). The sound and heat insulation material according to claim 18, wherein said fibrous material of said core layer includes foamable fibers.

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Claim 22 (amended). The sound and heat insulation material according to claim 1, wherein said foamable material is a non-flammable material.